



Mouse Regenerating islet-derived protein 3-alpha(REG3A) ELISA kit

Product Code	CSB-EL019548MO
Abbreviation	REG3A
Protein Biological Process 1	Immunity
Target Name	regenerating islet-derived 3 alpha
Uniprot No.	O09037
Alias	HIP, PAP, PAP-H, PAP1, PBCGF, REG-III, REG3, PAP homologous protein hepatocarcinoma-intestine-pancreas pancreatic beta cell growth factor pancreatitis-associated protein proliferation-inducing prote
Product Type	ELISA Kit
Immunogen Species	Mus musculus (Mouse)
Protein Biological Process 3	Acute phase
Sample Types	serum, plasma, tissue homogenates
Detection Range	3.12 ng/mL-200 ng/mL
Sensitivity	0.78 ng/mL
Assay Time	1-5h
Sample Volume	50-100ul
Detection Wavelength	450 nm
Lead Time	3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx.
Research Area	Immunology
Gene Names	Reg3a
Tag Info	quantitative
Protein Description	Sandwich
Description	This Mouse REG3A ELISA Kit was designed for the quantitative measurement of Mouse REG3A protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 3.12 ng/mL-200 ng/mL and the sensitivity is 0.78 ng/mL.
Target Details	This gene encodes a pancreatic secretory protein that may be involved in cell proliferation or differentiation. It has similarity to the C-type lectin superfamily. The enhanced expression of this gene is observed during pancreatic



inflammation and liver carcinogenesis. Multiple alternatively spliced transcript variants encoding the same protein have been described for this gene but the full length nature of some transcripts is not yet known.

Product Precision

Intra-assay Precision (Precision within an assay): CV%<8%

Three samples of known concentration were tested twenty times on one plate to assess.

Inter-assay Precision (Precision between assays): CV%<10%

Three samples of known concentration were tested in twenty assays to assess.

Linearity

To assess the linearity of the assay, samples were spiked with high concentrations of mouse REG3A in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay.

?	Sample	Serum(n=4)
1:1	Average %	102
	Range %	98-106
1:2	Average %	98
	Range %	96-104
1:4	Average %	88
	Range %	86-95
1:8	Average %	96
	Range %	91-102

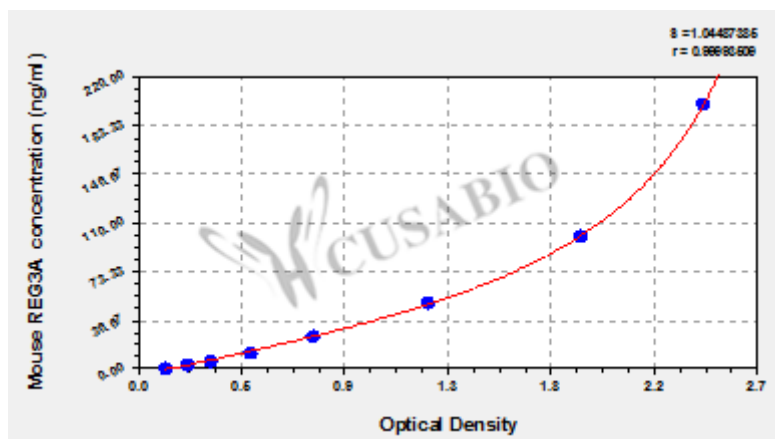
Recovery

The recovery of mouse REG3A spiked to levels throughout the range of the assay in various matrices was evaluated. Samples were diluted prior to assay as directed in the Sample Preparation section.

Sample Type	Average % Recovery	Range
Serum (n=5)	94	90-97
EDTA plasma (n=4)	88	84-93

Typical

These standard curves are provided for demonstration only. A standard curve should be generated for each set of samples assayed.



ng/ml	OD1	OD2	Average	Corrected
200	2.360	2.512	2.436	2.311
100	1.831	1.987	1.909	1.784
50	1.252	1.254	1.253	1.128
25	0.747	0.766	0.757	0.632
12.5	0.473	0.512	0.493	0.368
6.25	0.315	0.321	0.318	0.193
3.12	0.219	0.217	0.218	0.093
0	0.124	0.126	0.125	?

Msds

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